

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Cost Contract		Page 1 Of 10	
2. Amendment/Modification No. 06		3. Effective Date 2004JUN08		4. Requisition/Purchase Req No. SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By TACOM WARREN BLDG 231 AMSTA-AQ-AHEB LEON WILSON (586)574-7192 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: WILSONL@TACOM.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6) DCMA DETROIT U.S. ARMY TANK & AUTOMOTIVE COMMAND (TACOM) ATTN: DCMAE-GJD WARREN, MI 48397-5000		Code S2305A	
				SCD A PAS NONE ADP PT HQ0337			
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) GENERAL DYNAMICS LAND SYSTEMS INC. 38500 MOUND ROAD STERLING HEIGHTS, MI. 48310-3260 TYPE BUSINESS: Large Business Performing in U.S.				<input type="checkbox"/>		9A. Amendment Of Solicitation No.	
				<input type="checkbox"/>		9B. Dated (See Item 11)	
				<input checked="" type="checkbox"/>		10A. Modification Of Contract/Order No. DAAE07-01-G-N001/0010	
				<input type="checkbox"/>		10B. Dated (See Item 13) 2003DEC04	
Code 7W356		Facility Code					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required) NO CHANGE TO OBLIGATION DATA							
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS							
KIND MOD CODE: C It Modifies The Contract/Order No. As Described In Item 14.							
<input type="checkbox"/> A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A.		The Changes Set Forth In Item 14 Are Made In					
<input type="checkbox"/> B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).							
<input checked="" type="checkbox"/> C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: Mutual Agreement							
<input type="checkbox"/> D. Other (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) SEE SECOND PAGE FOR DESCRIPTION							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print) JOHN REGENHARDT REGENHAJ@TACOM.ARMY.MIL (586)574-6973			
15B. Contractor/Offeror (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)		16C. Date Signed 2004JUN08	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN DAAE07-01-G-N001/0010 MOD/AMD 06	Page 2 of 10
Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS INC.		

SECTION A - SUPPLEMENTAL INFORMATION

1. The purpose of the modification is to do the following:
 - a. Add data item CLIN 0007.
 - b. Add data item requirements to Section E.
 - c. Make changes to Exhibit A.
2. CLIN 0007 is added to this contract to reflect the "not separately priced" Data Items the contractor shall deliver to the Government. Pages B13(a) and B13(b) are added to this contract.
3. The contractor shall submit quality test and demonstration reports in accordance with Section E.6.1 and CDRL A008. The contractor shall also submit component first article test status reports in accordance with Section E.6.8 and CDRL A006. Section E has been replaced in its entirety by the attached identically numbered pages to reflect the change to E.6.1 and the addition of E.6.8.
4. Exhibit A has been replaced in its entirety by the attached Exhibit B with the following changes:
 - a. Contract Line Item No. has been changed from 0001 to 0007.
 - b. The email address at CDRL A005 has been changed to cusmanos@tacom.army.mil.
 - c. At CDRL A006 the Subtitle: "FAT Flash Report" has been deleted; E.6.8 has been added to the Contract Reference; and the Remarks block has been modified.
 - d. At CDRL A007 the Subtitle line has been modified to include "FAT".
 - e. CDRL A008 has been added to this contract.
5. The ceiling price established in Modification 04 is neither increased or decreased as a result of the above changes.
6. All other terms and conditions remain unchanged and in full force and effect.

*** END OF NARRATIVE A 007 ***

Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS INC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
0007	<u>DATA ITEM</u> SECURITY CLASS: Unclassified Data Items as set forth in the Contract Data Requirements List (DD Form 1423), Exhibit A, as described in Paragraph B.3. CDRL's are Not Separately Priced. <div style="text-align: center;">(End of narrative B001)</div>				
A001	<u>DATA ITEM</u> NOUN: DI-QCIC-80736 DGM REPORT SECURITY CLASS: Unclassified <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination			\$ ** NSP **	\$ ** NSP **
A002	<u>DATA ITEM</u> NOUN: CONFIGURATION CONTROL CHANGES SECURITY CLASS: Unclassified <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination			\$ ** NSP **	\$ ** NSP **
A003	<u>DATA ITEM</u> NOUN: ECAR SECURITY CLASS: Unclassified <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination			\$ ** NSP **	\$ ** NSP **
A004	<u>DATA ITEM</u> NOUN: GFM REPORTING			\$ ** NSP **	\$ ** NSP **

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN DAAE07-01-G-N001/0010 MOD/AMD 06	Page 4 of 10
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Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS INC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
A005	SECURITY CLASS: Unclassified <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination <u>DATA ITEM</u> NOUN: TANK TEAM REPORTS SECURITY CLASS: Unclassified <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination			\$ ** NSP **	\$ ** NSP **
A006	<u>DATA ITEM</u> NOUN: COMPONENT FAT STATUS REPORTS SECURITY CLASS: Unclassified <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination			\$ ** NSP **	\$ ** NSP **
A007	<u>DATA ITEMS</u> NOUN: OT-91-12221 FLASH REPORTS SECURITY CLASS: Unclassified <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination			\$ ** NSP **	\$ ** NSP **
A008	<u>DATA ITEM</u> NOUN: QTY TEST & DEMO REPORT SECURITY CLASS: Unclassified <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination			\$ ** NSP **	\$ ** NSP **

Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS INC.

SECTION E - INSPECTION AND ACCEPTANCE

INSPECTION AND ACCEPTANCE

E.1. INSPECTION POINTS: ORIGIN (Vehicles) and DESTINATION (Fielding Support)

Procurement Quality Assurance Inspection as to conformity of the supplies and services with contract requirements shall be made at the following locations:

M1A2 Retrofit SEP/CEEP Vehicles, Lima Army Tank Plant,
Lima, OH 45804

Deprocessing & Fielding Support

E.1.1 Vehicles

E.1.1.1.1 The Government will accept vehicles at LATP. This acceptance will be conditioned on the complete and successful deprocessing of vehicles at Ft. Carson as required by C.19; there will be no withhold of the vehicles price for this condition. Final acceptance of the vehicle will be at LATP after acceptance of deprocessing of the vehicle. Should the contractor fail to successfully complete deprocessing of a vehicle, the Government has the unilateral right to withhold up to 20% of that vehicle price from payment to the contractor until the contractor completes the deprocessing.

E.1.1.2 The contractor has notified the Government that the delivery schedule in Section F of the Government provided 2nd Gen FLIR components will not permit the contractor to maintain uninterrupted production at LATP beginning with vehicles scheduled for completion in January 2005. The Government agrees to conditionally accept in January, February and March 2005 vehicles at LATP without 2nd Gen FLIR components installed subject to (a) a mutually agreed-to withhold of payment (after the liquidation of PBPs) for material and labor costs related to the components; (b) the conditions in E.1.1 above; and (c) provided that the vehicles otherwise meet all other contract requirements.

E.2. ACCEPTANCE POINT: (Deprocessing & Fielding Support) DESTINATION

E.2.1 Acceptance of deprocessing, TPF items and TTVIII Support by the Government shall be made at Ft Carson.

E.3. INSPECTION RECORDS

E.3.1 Inspection records (hard copy, computer/electronic data or microfilmed) of the examinations and tests performed by the Contractor shall be kept complete and available to the government for a period of four (4) years following the final delivery.

E.4. DRAWINGS FOR FINAL VEHICLE/ITEM INSPECTION

E.4.1. DRAWINGS FOR INSPECTION: The Contractor shall make available to the Government inspector at the time of final vehicle/item inspection, legible drawings and printed specifications to which the vehicle/item was manufactured. These drawings and specifications shall be annotated to the latest revision incorporated therein. Electronic access to drawings and specifications contained in the contractor's ECARDS and CMCS systems satisfies the requirements of this provision.

E.4.2. SELECTION OF SAMPLES: Selection of samples for all vehicle functional tests will be accomplished by the Contractor, with the exception of vehicle verification test.

E.5. GOVERNMENT FURNISHED MATERIAL (GFM)

E.5.1 All items of GFM are provided elsewhere under this contract. (Reference Attachment 001) The Contractor shall report any deficiencies discovered on this GFM to the Government. Such deficiencies shall be reported by the Contractor utilizing his (contractor format which may be paper or electronic) standard Defective Government Material (DGM) format in accordance with DID DI-QCIC-80736, Exhibit A. (Reference Provision B.4.). The Government-furnished items required to be installed in, or delivered with each vehicle are identified on Attachment 001 and shall be furnished complete by the Government in the required quantities and quality to support work in-process without work around or disruption and FOB the appropriate contractor location. The schedule for delivery to the contractor of the GFM 2nd Gen FLIR components is in Section F.

E.6. M1A2 SEP FAT.

E.6.1 If the contractor elects to conduct a First Article Test Program in addition to those tests required by Section C, he shall have the authority to approve FAT Test Reports, for all assemblies, components and parts provided that no issues are identified that are inconsistent with the requirements of the vehicle system specification. The Contractor shall submit test reports for informational purposes to the Government in accordance with DD Form 1423 CDRL A008.

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN DAAE07-01-G-N001/0010 MOD/AMD 06</p>	<p style="text-align: center;">Page 6 of 10</p>
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Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS INC.

E.6.2 EFFECT OF A CHANGE ON AN APPROVED ITEM. If at any time the Contractor, a subcontractor, or a vendor changes either a design, the manufacturing or assembly process, the manufacturing or assembly location, or the source of supply; the Contractor is responsible for determining his need for a FAT, the extent of test required and shall perform such FAT testing at no additional cost to the Government.

E.6.3 TEST MONITORING. FATs may be monitored by the Government at their discretion. The Contractor shall provide to the Government Quality Assurance Representatives (DCMDE-RQT), at the time of placement, or as soon as possible thereafter, but not later than 5 working days prior to the test start, a copy of the purchase order or inter-company order which requires such tests to be performed. The document shall identify the test facility for vendor supplied components to be tested by the Contractor.

E.6.4 FLASH REPORTS. In the event of a test incident which affects compliance with the system specification, the Contractor shall provide notification and Flash Reports, for informational purposes only, in accordance with DD Form 1423 CDRL A007. The applicable Flash Reports shall be updated with the results of the failure analysis and applicable corrective action (e.g., the incident resulted from a testing error, test equipment problem, etc.; the failure was random as verified by additional testing; the failure identifies a design deficiency for which the supplier/contractor is not responsible; or corrective action has been taken and verified).

E.6.5 EFFECT OF DELAYED FAT ON ITEMS CLASSIFIED AS MISSION CRITICAL, SAFETY RELATED or affecting compliance with the System Specification.
Vehicle acceptance may be curtailed / withheld at the discretion of the Contracting Officer upon notification by the Contractor or the Government that a test incident involves issues categorized as either mission critical, safety related in accordance with OT-91-12221 or affecting compliance with the system specification. The Contractor shall expedite failure analysis and shall present the results to the Contracting Officer for concurrence. Vehicle acceptance may resume if it is determined by the Contracting Officer that:

1. An actual failure has not occurred.
2. The failure was random as verified by additional testing.
3. Corrective action has been taken to eliminate the deficiency.
4. The Contractor does not have responsibility for the failure.
5. It is in the best interest of the Government to continue acceptance.

E.6.6 If the Government has the right to withhold acceptance of tanks under Provision E.6.5 but elects to continue acceptance, the Government shall be entitled to timely correction of deficiencies in items for which a FAT approval has not been issued, at no further cost to the Government. In the event the Government elects to make its own correction of any deficiencies after delivery (DD250) it shall be entitled to an equitable adjustment of the contract price.

E.6.7 The Contractor has an affirmative obligation to provide notice to the Government, prior to offering vehicles for acceptance, of either, 1) the fact that a First Article Test has not been completed or 2) notice of an issue/incident affecting compliance with system specification that occurs during testing. In the event that the Contractor provides such notice prior to vehicle acceptance paragraph E.8.1.3 applies. In the event that the Contractor fails to provide such notice prior to vehicle acceptance or shipment it shall be liable for any additional costs associated with a field correction of deficiencies disclosed by a FAT for vehicles accepted prior to the receipt of such notice. For purposes of this paragraph submission of Flash Reports in accordance with DID OT-91-12221 is considered notice to the Government.

E.6.8 Component First Article Test Status Reports. The Contractor shall provide copies of the Component FAT Status Reports in accordance with OT-87-12065 and DD Form 1423, see CDRL A006.

E.7 COMPONENT CONTROL TESTS

E.7.1 If the contractor elects to conduct component control tests the Contractor shall provide Flash Reports for system specification non-compliances for informational purposes only, in accordance with CDRL A007 of the Delivery Order DD 1423 Contract Data Report List. The applicable Flash Report shall be updated with the results of the Contractor's failure analysis and applicable corrective action.

E.7.2 In the event of an incident classified as mission critical, safety related or affecting compliance with system specification, vehicle acceptance may be curtailed / withheld at the discretion of the ACO pursuant to provision E.6.5.

E.7.3 the contractor shall be responsible for the timely resolution of any test incident described in E.7.2. Corrective action shall be implemented, if applicable, and verified.

E.8. SINGLE PROCESS ACCEPTANCE INITIATIVE

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN DAAE07-01-G-N001/0010 MOD/AMD 06	Page 7 of 10
Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS INC.		

E.8.1 Single Process Acceptance Initiative (SPAI). The inspection and acceptance process at LATP and at Ft. Carson shall be in accordance with the SPAI document (SPAID) in Attachment 012. The information from the SPAI process shall be utilized to enhance the production effort with the goal of optimizing the overall acceptance process.

E.8.2 Acceptance Process Initiation

E.8.2.1 The Contractor shall perform Inspection at LATP on M1A2 Retrofit SEP vehicles to the Part I of the SPAI document (SPAID) (Attachment 012) pursuant to provision C.2., System Responsibility and Conformance with Specifications. The contractor shall certify that all inspections and tests, as identified in Part I of the SPAID, have been successfully and fully completed. The contractor shall correct entirely at his expense and prior to shipment of the vehicle all SPAID Part I characteristics which failed this inspection. All inspection and corrections are subject to Government verification. The contractor shall provide to the ACO as much notice as practicable of the contractors planned inspections. If a requirement in Part I of the SPAID is not met at LATP, then the vehicle will remain at LATP until the deficiencies are corrected and successfully retested. The contractor may ship a vehicle with an unresolved SPAID Part I requirement if satisfactory evidence can be provided to the Government that an equivalent SPAID Part I check can be conducted at the fielding site.

E.8.2.2 Pursuant to provision C.5., Contractor Configuration Management (CM) software may be used for vehicle acceptance.

E.8.2.3 Deficiencies disclosed during inspection by the Contractor shall be described in the acceptance documentation package. The Contractor shall submit a completed and certified copy of the Part I of the SPAID (see E.8.12.1 above) to the Government Inspector with each end item inspected and offered for acceptance by the Government.

E.8.3 Conclusion of Acceptance Process

E.8.3.1 The contractor shall inspect the deprocessed vehicle IAW Part II of the SPAID. The contractor shall correct entirely at his own expense any non-conformances discovered during this inspection.

E.9. INSPECTION AND ACCEPTANCE OF FIELDING SUPPORT AT FT. CARSON

E.9.1 Deprocessing. The contractor, with the Government witnessing, shall inspect all vehicles as called for in C.19 (Deprocessing/TPF SOW) to ensure that they meet the inspection criteria of the Part II of the SPAID (Attachment 012). The contractor shall correct any non-conformances discovered in this inspection prior to issue.

E.9.2 Government Acceptance of deprocessing will be at hand-off after successful Part I SPAID inspection at LATP (the contractor will provide a SPAID Part I Completion Certification (example at Attachment 013) with each vehicle) and after successful inspection as required by E.9.1 above.

E.9.3 Inspection and Acceptance of TPF Items. Inspection and acceptance of TPF Items will be at Ft. Carson, Colorado.

E.9.4 Inspection and Acceptance of TTVIII Support will be at Ft. Carson. The criteria for acceptance are Part II of the SPAID. The contractors price is predicated on the contractor providing the New Equipment Training.

E.9.5 If, for any reason, the Contractor determines that a vehicle or other deliverable does not meet the performance requirements for that vehicle or other deliverable, as described in Section C.2., the Contractor shall immediately notify the PCO, ACO, and the Program Management Office. Where the contractor is responsible for corrective action, the Contractor shall submit to the Program Management Office a written, reasonable, recommended corrective action plan within forty-five (45) days, or such other period as may be mutually agreed. The Contracting Officer shall, within thirty (30) days after receipt of the Contractor's redesign plan or corrective action plan, either accept or reject the plan. If the Government accepts the plan, the Contractor shall proceed with the corrective action at the Contractor's expense. If the Contractor's recommended plan is determined to be inadequate, the Contractor shall be informed of the extent of the inadequacies and shall submit a revised recommendation within thirty (30) days after receipt of such information.

E.10. VEHICLE LEVEL CONTROL TEST REQUIREMENT

E.10.1. Vehicle level control testing shall be performed at the frequency of one Abrams vehicle type for two months of production. This two-month production quantity shall be considered a control test lot. If two different Abrams vehicle types (e.g., M1A1 and M1A2 SEP) are being produced, the control test lots shall be alternated so that one begins one month and the other the next month. The contractor shall select the control test vehicle and shall notify government inspection of the selection.

E.10.2 If a failure occurs, the control test lot of vehicles shall be evaluated as follows:

E.10.2.1 The contractor shall determine whether the failed characteristic AFFECTS ALL Abrams vehicle types (e.g., M1A1 and M1A2 SEP etc.) IF IT IS SO DETERMINED THAT THE FAILED CHARACTERISTIC IS COMMON TO OTHER ABRAMS VEHICLE TYPES THEN ALL VEHICLES REPRESENTED BY THE FAILED CHARACTERISTIC OF THOSE TYPES ARE CONSIDERED SUSPECT. Factors considered in this determination shall be technical design of the

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN DAAE07-01-G-N001/0010 MOD/AMD 06	Page 8 of 10
Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS INC.		

affected system/components, source of components (e.g., new, reclaim, etc.) ETC.

E.10.2.2. Five additional vehicles from the month of the control test vehicle (or the month's production if less than five) shall be tested for the failed control test characteristic(s) only. If the contractor determines that the failure ALSO impacts OTHER Abrams vehicle types that are not part of the control test lot, this sample shall contain a mix of vehicle TYPES.

E.10.2.3 If a failure occurs within these five vehicles, all vehicles from the first month of the control test lot shall be tested for the failed characteristic(s). Additionally, five vehicles from the second month of the control test lot shall be tested for the failed characteristic(s). If additional failures occur, all vehicles in the control test lot shall be tested for the failed characteristic(s). If the contractor determined that the failure also impacts OTHER Abrams vehicle types that were not part of the control test lot all of the vehicles from the same month as the control test vehicle shall be tested for the failed characteristic(s).

E.10.3. Control testing frequency for all control test characteristics shall return to the frequency established in E.10.1 after completion of the control test lot.

E.11 VEHICLE VERIFICATION TESTING (VVT).

E.11.1 Verification Testing. The Government will select one complete vehicle from the first program year (the first program year is the base quantity of 65 vehicles; the second program year is the option of 64) and one complete vehicle from the second program year and test it to confirm compliance with Section 3 of the system specification called for in C.2.2. (See DTC Project Number 1-VC-080-1A2-124 and 1-VC-080-1A2-125, version 3.0, dated March 2004 for detailed draft test plan. A final plan will be incorporated at definitization). In the event of a discrepancy between the System Specification and the test plan, the system Specification will take precedence. The vehicle test duration will be scheduled for 1500 miles and during this period may be exposed to the hot and cold environments extremes. The contractor shall conduct an interim inspection IAW E.8.1 and correct all non-conformances before shipping the vehicle to the test site. The vehicle will be considered representative of the production lot (production year) and any non-conformance will be assumed to be included within the entire lot.

E.11.2 Pass/Fail Criteria.

a. Performance Testing. During the 1500 mile test, the contractor-provided hardware and software (the entire M1A2 SEP/CEEP system with the exception of the items in C.2.1.2 (a) through (e)) shall meet the requirements of the system specification to the extent required by Section C. The test Site prepared Test Incident Report (TIR) will be the primary instrument used to document non-compliances. Failure Analysis and Corrective Action Plan shall be prepared as required per CDRL A007.

b. For RAM-D compliance, the following requirements apply at the system level:

- (1) Not less than 320 MMBF for Combat Mission Reliability,
 - (2) Not less than 101 MMBF for System Reliability,
 - (3) Not More than 1.25 for Maintenance Ratio,
 - (4) Transmission Durability: TBD,
 - (5) Not less than 1500 miles durability for New Sprockets (both sprockets in a set must be new for this to apply).
- Chargeable Combat Mission Reliability, System Reliability, and Maintenance Ratio incidents are defined in document entitled M1A2 Tank Program RAM-D Failure Criteria for M1A2 Tanks System, change 3 dated September 1997. A Powertrain Durability Failure on the transmission is any failure that cannot be repaired in the field by two level maintenance which requires return to Depot.

c. GDLS shall assist the PM voting member in preparation for the scoring conference.

E.11.3 Correction.

a. Performance-Testing Corrections. The contractor shall correct entirely at his expense any non-conformance for which he is responsible discovered during performance testing on that vehicle. The contractor shall correct all affected vehicles in the program year (i.e. up to 65 vehicles) when CFM results in a test failure.

b. RAM-D Corrections. If the tank fails to meet any of the five RAM-D standards in paragraph E.11.2(b) above, the contractor shall correct the RAM-D failures as described below. The contractor shall correct all vehicles in that program year.

(i) Combat Mission Reliability. If the system fails to meet the specification standard and the combat mission failures consist of both CFM and GFM failures, the failures shall be corrected by the contractor and the Government in the order of their combat-mission severity until the system meets the specification standard. In other words, failures with a factor of 1.0 shall be corrected prior to those with a factor of .5. Where there are CFM and GFM failures with the same factor, the failures shall be corrected in the order in which they occurred. The contractor is responsible for CFM failures; the Government, for GFM and ANAD work content. If the Government elects not to correct a GFM failure, that failure will not be counted as a failure against the specification standard.

(ii) System Reliability. If the system fails to meet the specification standard and the system reliability failures consist

CONTINUATION SHEET	Reference No. of Document Being Continued		Page 9 of 10
	PIIN/SIIN DAAE07-01-G-N001/0010	MOD/AMD 06	

Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS INC.

of both CFM and GFM failures, the failures shall be corrected by the contractor and the Government in the following order until the system meets the specification standard: (a)pattern failures beginning with those with the greatest frequency (pattern failures with the same frequency shall be fixed in the order in which they occurred); and (b) single failures, in the order in which they occurred from first to last. The contractor is responsible for CFM failures; the Government, for GFM and ANAD work content. If the Government elects not to correct a GFM failure, that failure will not be counted as a failure against the specification standard.

(iii) Maintenance Ratio. If the system fails to meet the specification maintenance ratio and there are both CFM and GFM failures, the failures shall be corrected in the order of the most maintenance time to the least until the system meets the specification standard. The contractor is responsible for CFM failures; the Government, for GFM and ANAD work content. If the Government elects not to correct a GFM failure, that failure will not be counted as a failure against the specification standard.

(iv) Transmission. TBD

(v) Sprockets. The contractor is solely responsible for meeting this requirement and correcting all non-compliances.

E.11.4 The contractor shall provide non-GFM repair and spare parts to support each Government Vehicle Verification Test. The contractor shall provide the parts within 2 calendar days of the Governments request. All parts shall be representative of the production configuration and manufacturing processes used to build the tanks in the test lot.

E.11.5 The contractor shall perform failure analysis of all TIRs in the VVT. The contractor shall provide to the Government the results of failure analysis in accordance with the CDRL.

E.11.6 Systemic Warranty Compliance. Successful completion of the VVT notwithstanding, the contractor is responsible for obligations defined in H.5, Systemic Warranty.

*** END OF NARRATIVE E 002 ***

CONTINUATION SHEET	Reference No. of Document Being Continued		Page 10 of 10
	PIIN/SIIN	DAAE07-01-G-N001/0010 MOD/AMD 06	

Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS INC.

SECTION J - LIST OF ATTACHMENTS

List of Addenda	Title	Date	Number of Pages	Transmitted By
Exhibit A	CONTRACT DATA REQUIREMENTS LIST			

PIIN/SIIN DAAE07-01-G-N001/0010
MOD/AMD 06
ATT/EXH ID Exhibit A
PAGE 1

EXHIBIT A
CONTRACT DATA REQUIREMENTS LIST

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Form Approval OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E. _

A. CONTRACT LINE ITEM NO.: 0007 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: M1A2 SEP RETROFIT TANK E. CONTRACT/PR NO.: F. CONTRACTOR: GDLS

1. DATA ITEM NO. A001
2. TITLE OF DATA ITEM: DI-QCIC-80736
3. SUBTITLE: DGM Report
4. AUTHORITY : 5. CONTRACT REFERENCE: B.4.2, E.5.1 6. REQUIRING OFFICE: SFAE-GCSS-W-AB-QA
7. DD250 REQ: No
9. DIST. STATEMENT REQUIRED: No 10. FREQUENCY: As Required 12. DATE OF FIRST SUB: NA
8. APP CODE: 11. AS OF DATE: 13. DATE OF SUBS. SUB:

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
SFAE-GCS-CS-CC menzeld@tacom.army.mil 0 1
SFAE-GCS-CS-Q DunklinB@tacom.army.mil 0 1
15. TOTAL: 0 2

16. REMARKS: Report shall be made to the cognizant Government QAR using either DGM report or SF368. Report shall be submitted immediately in case of Category I deficiency; follow-up documentation within 2 days. Category II reports shall be submitted within two days of deficiency discovery. Info copy of completed SF 368 shall be included with all shipments of deficient material returned to the Government. LATP/QAR shall continue to have access to CDRL A001 data via GDLS' TIP-QA system.

17. PRICE GROUP: 18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO.: 0007 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: M1A2 SEP RETROFIT TANK E. CONTRACT/PR NO.: F. CONTRACTOR: GDLS

1. DATA ITEM NO. A002
2. TITLE OF DATA ITEM: Configuration Control Changes
3. SUBTITLE: Contractor Change Notice
4. AUTHORITY : 5. CONTRACT REFERENCE: C.5 & Atch. 003 6. REQUIRING OFFICE: SFAE-GCSS-W-AB-QA.
7. DD250 REQ: No 9. DIST. STATEMENT REQUIRED: No 10. FREQUENCY:As Required 2. DATE OF FIRST SUB: NA
8. APP CODE: 11. AS OF DATE: 13. DATE OF SUBS. SUB:

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
SFAE-GCS-CS-SP ketchumr@tacom.army.mil 1 1
SFAE-GCS-CS-L mccaulyr@tacom.army.mil 1 1
SFAE-GCS-CS-S harjuw@tacom.army.mil 1 1
AMSTA-LC-CAEB (NOTE 1) regenhaj@tacom.army.mil 0 1 NOTE 1
AMSTA-LC-CAEB (NOTE 1) wilsonl@tacom.army.mil 0 1 NOTE 1
15. TOTAL: 3 5

16. REMARKS: Electronic notification of any CR, RFW, RFD, ECP to the technical data package shall be provided to the offices listed in block 14. MIL-STD-973 format is to be used as a guide. Logistics impact is to be conspicuously marked. This notice does not replace the requirement for ECPs to be presented to a Government Configuration Control Board. NOTE 1: Deliver ONLY if CR/ECP/RFD/RFP affects System Specification, Prime Item Product Fab Specification, defined LRU Prod Fab Specifications, or the FIR for the vehicle.

17. PRICE GROUP: 18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO.: 0007 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: M1A2 SEP RETROFIT TANK E. CONTRACT/PR NO.: F. CONTRACTOR: GDLS

1. DATA ITEM NO. A003
2. TITLE OF DATA ITEM: Configuration Status Accounting and Engineering Records (ECAR)
3. SUBTITLE: STA Form 1605, ECAR
4. AUTHORITY : 5. CONTRACT REFERENCE: C.5.4 6. REQUIRING OFFICE:
7. DD250 REQ: No
9. DIST. STATEMENT REQUIRED: No 10. FREQUENCY: As Required 12. DATE OF FIRST SUB: NA
8. APP CODE: 11. AS OF DATE: 13. DATE OF SUBS. SUB:
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
AMSTA-TR 1
DCMDE-GJQB Paul.Gherian@dcma.mil 1
AMSTA-GDC 1
15. TOTAL: 3

16. REMARKS: STA Form 1605, ECAR, shall be submitted within 5 days after incorporation of changes in production configuration. The Contractor shall provide electronic copies of the form.

17. PRICE GROUP: 18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO.: 0007 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: M1A2 SEP RETROFIT TANK E. CONTRACT/PR NO.: F. CONTRACTOR: GDLS

1. DATA ITEM NO. A004
2. TITLE OF DATA ITEM: GFM Reporting
3. SUBTITLE: GFM Reporting
4. AUTHORITY : 5. CONTRACT REFERENCE: F.2.1 & Atch 2 6. REQUIRING OFFICE:SFAE-GCSS-W-AB-C.
7. DD250 REQ: No 9. DIST. STATEMENT REQUIRED: No 10. FREQUENCY: Weekly 2. DATE OF FIRST SUB: NA
8. APP CODE: 11. AS OF DATE: 13. DATE OF SUBS. SUB:
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
SFAE-GCSS-CS-CC menzeld@tacom.army.mil 0 1
SFAE-GCSS-CS-SP ketchumr@tacom.army.mil 0 1
DCMDE-GJQB Richard.Burba@dcma.mil 0 1
15. TOTAL: 0 3

16. REMARKS:

17. PRICE GROUP: 18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO.: 0007 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: M1A2 SEP RETROFIT TANK E. CONTRACT/PR NO.: F. CONTRACTOR: GDLS

1. DATA ITEM NO. A005
2. TITLE OF DATA ITEM: Tank Team Reports in Contractor format
3. SUBTITLE:
4. AUTHORITY : 5. CONTRACT REFERENCE: 6. REQUIRING OFFICE:AMSTA-LC-CAEB 7. DD250 REQ: No
9. DIST. STATEMENT REQUIRED: No 10. FREQUENCY: As Required 12. DATE OF FIRST SUB: NA
8. APP CODE: 11. AS OF DATE: 13. DATE OF SUBS. SUB:
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
AMSTA-AQ-AHEC cusmanos@tacom.army.mil 0 1
15. TOTAL: 0 1

16. REMARKS: electronic reporting:starrk@tacom.army.mil

All Reports are copies of GDLS internal reports. Required reports are: (Mon=Monthly; CTD=Contract Award to Date)
Manpower Burden Center Work Force Report //Actual Hours by Contract Monthly/Contract to Date// Shop Floor Control Hours by Contract
Mon/CTD//Efficiency by Contract Mon/CTD//Direct Labor Cumulative Transfer Hours Actuals and Shop Floor Control Hours//Hours Per Unit
Report 1A-C//Direct Labor by Contract // Mfg. Performance Contract History Report Mon// Total Operational Labor Hours For Discreet
Contract Changes, Tank and Propulsion Product Line Allocations, Control Tests, and Tool/Maintenance // All Plants-Current Mon/6 Month
Average Efficiency by Department Report.

17. PRICE GROUP: 18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO.: 0007 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: M1A2 SEP ABRAMS E. CONTRACT/PR NO.: F. CONTRACTOR: GDLS

1. DATA ITEM NO. A006
2. TITLE OF DATA ITEM: OT-87-12065(T) Component First Article Test Status Reports
3. SUBTITLE:
4. AUTHORITY : 5. CONTRACT REFERENCE: C.16, E.6.8 6. REQUIRING OFFICE:SFAE-GCSS-W-AB-QA.
7. DD250 REQ: No 9. DIST. STATEMENT REQUIRED: No 10. FREQUENCY:As Required 2. DATE OF FIRST SUB: NA
8. APP CODE: 11. AS OF DATE: 13. DATE OF SUBS. SUB:

14. DISTRIBUTION	A. ADDRESSEES	B. COPIES	DRAFT	FINAL
	SFAE-GCS-AB-Q	mieszczt@tacom.army.mil	1	0
	AMSTA-TR-E/tank		1	0
	AMSTA-AR-QAW-C		1	0
	DCMDE-GJQB Julie.Stammen@dcma.mil		0	1
	15. TOTAL:		3	1

16. REMARKS: Electronic reports shall go to DCMDE-GJQB at Julie.Stammen@dcma.mil Updated lists of 10.2/10.3, 10.4, are submitted monthly.

17. PRICE GROUP: 18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO.: 0007 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: M1A2 SEP ABRAMS E. CONTRACT/PR NO.: F. CONTRACTOR: GDLS

1. DATA ITEM NO. A007
2. TITLE OF DATA ITEM: Failure Analysis and Corrective Action Plan OT-91-12221
3. SUBTITLE: VEHICLE VERIFICATION & COMPONENT FAT/CONTROL TEST FLASH REPORTS
4. AUTHORITY : 5. CONTRACT REFERENCE: E.6.7, E.6.4., E.11.2 6. REQUIRING OFFICE: SFAE-GCS-W-AB-QA.
7. DD250 REQ: No 9. DIST. STATEMENT REQUIRED: No 10. FREQUENCY: See Blk 16 2. DATE OF FIRST SUB: NA
8. APP CODE: 11. AS OF DATE: 13. DATE OF SUBS. SUB:

14. DISTRIBUTION	A. ADDRESSEES	B. COPIES	DRAFT	FINAL
	SFAE-GCS-CS-Q	mieszczt@tacom.army.mil	0	1
	SFAE-GCS-CS-S	harju@tacom.army.mil	0	1
	SFAE-GCS-CS-CC	menzeld@tacom.army.mil	0	1
	AMSTA-TR-E-tank		0	1
	AMSTA-AR-QAW-C		0	1
	AMSTA-AR-QAC-F		0	1
	15. TOTAL:		0	6

16. REMARKS: Contractor notification of test incident failure is required within the following time frame for Component and Control Testing: Verbal notification within two (2) working days (POC T. Mieszczak, 586-574-5921, MieszczT@tacom.army.mil [<mailto:MieszczT@tacom.army.mil>](mailto:MieszczT@tacom.army.mil)). Written report within eight (8) working days. Contractor notification of test incident failure is required within the following time frame for Verification Testing: Interim written Failure Analysis & Corrective Action Plan due within 21 days of test incident with final written report within 45 days of test incident.

17. PRICE GROUP: 18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO.: 0007 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: M1A2 SEP ABRAMS E. CONTRACT/PR NO.: F. CONTRACTOR: GDLS

1. DATA ITEM NO. A008
2. TITLE OF DATA ITEM: Quality Test and Demonstration Report
3. SUBTITLE:
4. AUTHORITY : DI-T-1906 5. CONTRACT REFERENCE: E.6.1 6. REQUIRING OFFICE: SFAE-GCS-CS-QA
7. DD250 REQ: NO 9. DIST. STATEMENT REQUIRED: NO 10. FREQUENCY: As Required 2. DATE OF FIRST SUB:
8. APP CODE: 11. AS OF DATE: 13. DATE OF SUBS. SUB:

14. DISTRIBUTION	A. ADDRESSEES	B. COPIES	DRAFT	FINAL
	SFAE-GSC-CS-QA mieszczat@tacom.army.mil		0	1
	AMSTA-TR-E-tank		0	1
	AMSTA-AR-QAW-C		0	1
		15. TOTAL:		3

16. REMARKS: Contractor test report required within 21 days after completion of test or five working days prior to vehicle acceptance, which ever occurs first. Contractor shall submit amended test reports and/or corrective actions as needed. CD disks are to be delivered as they become full or when last report is submitted, whichever occurs first, but not more frequently than quarterly. Provide updated index lists (by year and in part number order) with each submission.

17. PRICE GROUP: 18. ESTIMATED TOTAL PRICE:

G. PREPARED BY: I. APPROVED BY:
H. DATE: J. DATE: